

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 2005/001574

A. CLASSIFICATION OF SUBJECT MATTER		
IPC7: H04L 12/28, H04L 12/56 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
IPC7: H04L		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
SE,DK,FI,NO classes as above		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
EPO-INTERNAL, WPI DATA, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages -	Relevant to claim No.
A	US 20040066762 A1 (ALASTALO), 8 April 2004 (08.04.2004), figure 5 <div style="text-align: center;">--</div>	1-33
A	WO 03084146 A1 (CHO, KWANG SUN), 9 October 2003 (09.10.2003), claims 35-39 <div style="text-align: center;">--</div>	1-33
A	WO 0221746 A2 (PARKER, JOSEPH A), 14 March 2002 (14.03.2002), figure 1C <div style="text-align: center;">--</div>	1-33
A	EP 0999717 A2 (CALY, INC), 10 May 2000 (10.05.2000), claim 38 <div style="text-align: center;">--</div>	1-33
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex. </div>		
<div style="display: flex;"> <div style="flex: 1;"> <p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search		Date of mailing of the international search report
6 October 2005		10-10-2005
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86		Authorized officer Kristoffer Ogebjer /EK Telephone No. +46 8 782 25 00

From the INTERNATIONAL SEARCHING AUTHORITY

PCTNOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

To:

Morgan & Finnegan, LLP
Harroun, John A.
Three World Financial Center
10281 New York

USA

CASE 04208-4176 PC ATTY JAH
DUE January 10, 2006 (U.S. Supl. IDs)Date of mailing
(day/month/year)

10-10-2005

Applicant's or agent's file reference

4208-4176 PC BY jm

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.

PCT/IB2005/001574

International filing date
(day/month/year)

03-06-2005

Applicant

Nokia Corporation
et al

M F 10/18/05 PM12:38

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report.

Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see notes on the accompanying sheet.

CASE 4208-4176 PC ATTY JAHDUE December 10, 2005 (Art 19)

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.
3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
- ☐ no decision has been made yet on the protest: the applicant will be notified as soon as a decision is made.

4. Reminders

Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/

Patent- och registreringsverket
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S-102 42 STOCKHOLM
Facsimile No. 08-667 72 88Telex
17978
PATOREG-S

Authorized officer

Lina Oljeqvist

Telephone No. 08-782 25 00

2004-10-11

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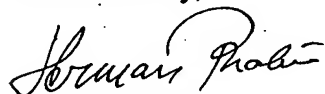
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Yours sincerely,



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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 4208-4176PC	<div style="display: flex; justify-content: space-between;"> <div> FOR FURTHER ACTION </div> <div> <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small> </div> </div>	
International application No. PCT/IB 2005/001574	International filing date (<i>day/month/year</i>) 3 June 2005	(Earliest) Priority Date (<i>day/month/year</i>) 18 June 2004
Applicant Nokia Corporation et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed
☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (see Box No. II)

3. ☐ Unity of invention is lacking (see Box No. III)

4. With regard to the title,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1a
- ☒ as suggested by the applicant.
☐ as selected by this Authority, because the applicant failed to suggest a figure.
☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 2005/001574

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	EP 1515473 A2 (NOKIA CORPORATION), 16 March 2005 (16.03.2005), figure 1 -- -----	1-33

INTERNATIONAL SEARCH REPORT
Information on patent family members

31/08/2005

International application No.:

PCT/IB 2005/001574

US	20040066762	A1	08/04/2004	AT	291828	T	15/04/2005
				AU	7089501	A	05/02/2002
				DE	60109622	D	00/00/0000
				EP	1304020	A,B	23/04/2003
				GB	0103274	D	00/00/0000
				JP	2004504710	T	12/02/2004
				US	6885728	B	26/04/2005
				US	20030147498	A	07/08/2003
				WO	02063836	A	15/08/2002

WO	03084146	A1	09/10/2003	AU	2003214695	A	00/00/0000
				CA	2443871	A	02/10/2003
				KR	2003079198	A	10/10/2003
				US	20040147223	A	29/07/2004

WO	0221746	A2	14/03/2002	AU	9062001	A	22/03/2002
				US	6415074	B	02/07/2002

EP	0999717	A2	10/05/2000	BR	9913999	A	03/07/2001
				CN	1321381	A,T	07/11/2001
				EP	1123608	A	16/08/2001
				JP	2002529017	T	03/09/2002
				WO	0025485	A,B	04/05/2000

EP	1515473	A2	16/03/2005	US	20050058107	A	17/03/2005
